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Nov 30, 1987

DERWENT-ACC-NO: 1987-357537

DERWENT-WEEK: 198751

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TITLE: Prepn. of penicillin(s) G and V - by aerobic fermentation of penicillium chrysogenum stock

INVENTOR: HOGYE, I; NAGY, J ; POLYA, K ; SERES, P ; SZTARAY, G

PATENT-ASSIGNEE:

ASSIGNEE	CODE
BIOGAL GYOGYSZERGYAR	BIOG

PRIORITY-DATA: 1985HU-0005025 (December 29, 1985)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
HU 43646 T	November 30, 1987		000	

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
HU 43646T	December 29, 1985	1985HU-0005025	

INT-CL (IPC): C12P 37/02

ABSTRACTED-PUB-NO: HU 43646T

BASIC-ABSTRACT:

Penicillins G and V are prep'd. by aerobic fermentation of Penicillium chrysogenum stock at 24-25 deg.C with aeration of 0.7-1.3 volume per minute per 1 vol. of fermentation liquor. Phenylactic acid is used for Penicillin G and phenoxyacetic acid for Penicillin V at a min. concn. of 0.05 vol.% each. A pH of 6.2-7 is set by dosing ammonium sulphate, ammonium hydroxide and potassium hydroxide. A nitrogen level of 20 mg/100 ml. min. is maintained. Moist cellular mass is kept at 53% max. by dosing sunflower oil, saccharose soln. and water. Following fermentation period of 90 hours, 5-10 vol.% of the fermentation liquor is removed every 10-20 hours during a total process time of 160-240 hours.

TITLE-TERMS: PREPARATION PENICILLIN AEROBIC FERMENTATION PENICILLIUM CHRYSOGENUM STOCK

DERWENT-CLASS: B02 D16

CPI-CODES: B02-P; D05-C02;

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1987-152961

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